

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	136	fourier and tire and noise and pitch\$2	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2007/02/07 15:35

Scholar [All articles](#) [Recent articles](#) Results 1 - 10 of about **4,630** for **tire noise design characteristics**. (0.22 seconds)

All Results

[N Krawczyk](#)

[S Landers](#)

[R Kacker](#)

[A Shoemaker](#)

[R Leon](#)

Device and method for producing pneumatic tires having preselected noise characteristics - group of 2 »

PJ Sekula, GR Potts - US Patent 4,442,499, 1984 - Google Patents

... pneumatic **tires** having preselected **noise characteristics**. constant providing a voltage signal whose magnitude 1. A device for producing a **design** element ...

[Cited by 10](#) - [Related Articles](#) - [Web Search](#)

All-season pneumatic tire with chamfered tread blocks

US Patent 4,690,189, 1987 - freepatentsonline.com

... varied as a function of the pitch variations customarily used in the **design** and manufacture of pneumatic **tires** primarily for **noise** control ...

[Cited by 34](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

Low noise sequence of tread elements for vehicle tires and related generation method

C Monguzzi, R Bergomi, P Bandel - US Patent 5,371,685, 1994 - patentstorm.us

... **tire** tread with good **noise characteristics** according to the invention includes at least one circumference in which a composed sequence of a plurality of **design** ...

[Cited by 9](#) - [Cached](#) - [Web Search](#)

NOISELESS TREAD PORTION FOR TIRE CASING

US Patent 3,023,798, 1962 - Google Patents

... be easily controlled without affecting the desired **design** and other **characteristics** of the **tire** tread. The importance of controlling the **noise**-energy generated ...

[Cited by 12](#) - [Related Articles](#) - [Web Search](#)

Nonlinear control of roll moment distribution to influence vehicle yaw characteristics - group of 2 »

DE Williams, WM Haddad - Control Systems Technology, IEEE Transactions on, 1995 - ieeexplore.ieee.org

... of Roll Moment Distribution to Influence Vehicle Yaw **Characteristics** Daniel E ... perform two functions: isolation of the cabin from road **noise**, and transmission of ...

[Cited by 21](#) - [Related Articles](#) - [Web Search](#)

Noise reduction in pneumatic tires - group of 2 »

SA Lippman, GP Stokes, CM Chupa - US Patent 4,178,199, 1979 - Google Patents

... other means of **tire** vibration, and are allowed to be ... would generate an unacceptable high level of **noise**. ... established as a result of evaluation - 55 **design** would generate ...

[Cited by 20](#) - [Related Articles](#) - [Web Search](#)

Receiver design using the dependence between quadrature components of impulsive radio noise

S Miyamoto, M Katayama, N Morinaga - Communications, 1995. ICC 95 Seattle, Gateway to ..., 1995 - ieeexplore.ieee.org

... 2486-2/95 \$4.00 © 1995 IEEE 1784 Receiver **Design** Using the ... For time case of **tire** corivemitorial rec;eivei desigmiad for Gaussian **noise**, the decision ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

All-season high-performance radial-ply passenger pneumatic tire

US Patent 5,000,239, 1991 - patentstorm.us

... that combines a number of **design** features or parameters which yield a **tire** which has road **noise**, tread wear and handling performance **characteristics** which are ...

[Cited by 20](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

[Google](#)[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

tire design noise

Search

[Advanced Search](#)
[Preferences](#)**Web**Results 1 - 10 of about 1,190,000 for **tire design noise** . (0.14 seconds)**Application of Tire/Road Noise in Tire Design**

Engineering technical paper: Application of **Tire/Road Noise** in **Tire Design**.
www.sae.org/technical/papers/2002-01-1237 - 25k - [Cached](#) - [Similar pages](#)

Machine harnesses sound science to probe causes of road noise

Engineers have several theories for the root causes of highway **noise**. ... During this investigation, other **tire design** variables such as **tire pressure** and ...
www.purdue.edu/UNS/html3month/030325.Bernhard.tiremach.html - 11k -
[Cached](#) - [Similar pages](#)

Engineers 'tread' toward quieter tires

The work by Bolton and Kim represents an attempt to relate specifically how a **tire's design**, and its associated vibrations, produce **noise**. ...
www.purdue.edu/UNS/html4ever/010803.Bolton.tires.html - 9k -
[Cached](#) - [Similar pages](#)

Bridgestone/Firestone North American Tire, LLC

UNI-T AQ Technology delivers new advances in **tire design**, ... And it helps prevent the increase in **noise** levels that tends to occur as **tire tread** wears away ...
www.bridgestonetire.com/technology/unit_aq.asp - 14k - [Cached](#) - [Similar pages](#)

Sh-h-h-h! Quiet tire ahead: Uniroyal Goodrich sounds out new way ...

Tire noise is determined by the relationships of the blocks and void areas of a tread **design**. The key to selecting a **design** for a **tire** is to position the ...
www.findarticles.com/p/articles/mi_m3165/is_n2_v25/ai_7063004 - 32k -
[Cached](#) - [Similar pages](#)

Noise pollution - Wikipedia, the free encyclopedia

Noise pollution, usually called environmental **noise** in technical venues, ... to reduce braking and acceleration, innovative **tire design** and other methods. ...
en.wikipedia.org/wiki/Noise_pollution - 48k - [Cached](#) - [Similar pages](#)

Method for designing a tire with reduced cavity noise - Patent 7073382

Different **tire designs** may be used as a starting point to compare the behavior of each **tire** with respect to **noise** due to cavity resonance. ...
www.freepatentsonline.com/7073382.html - 37k - [Cached](#) - [Similar pages](#)

"Treading Lightly," Feature Article, April 2003

Some **tire** manufacturers claim very little **noise** difference from one **tire design** to another, then "prove" the claim by testing only three or five tires, ...
www.memagazine.org/backissues/membersonly/apr03/features/treading/treading.html - 20k -
[Cached](#) - [Similar pages](#)

[PDF] Unique test facility's goal is a quieter highway – a better neighbor

File Format: PDF/Adobe Acrobat

tire/pavement noise. **Tire noise** can be heard for miles, ... Alternate **tire designs** can be mounted for testing while maintaining the same road surface. ...
www.quietpavement.com/hotmixasphalt/docs/SQDH_Center_Researches_Tire-Pavement_Noise.pdf - [Similar pages](#)

Institute of Mechanics and Computational Mechanics - Hannover ...

Investigations of road surfaces and **tire design** concerning sound radiation are two other main pillars of the research project. The numerical **tire noise** ...
www.ibnm.uni-hannover.de/Forschung/Projekte/brinkmei.tirenoise/index.html.en - 18k -
[Cached](#) - [Similar pages](#)




Sponsored Links**Car Noise? Eliminate it**

Easy to apply. Water-based coating.
100% effective. Brilliant product.
www.quietcar.net

Tire Noise

Instant access to
the info you need!
ewosssearch.com

[Home](#) [Browse](#) [Search](#) [My Settings](#) [Alerts](#) [Help](#)


Quick Search Title, abstract, keywords Author e.g. j s smith
 search tips Journal/book title Volume Issue Page Clear  Go 
results 1 - 40


40 Articles Found


pub-date > 1989 and pub-date < 2003 and TITLE-ABSTR-KEY(tire) and TITLE-ABSTR-KEY(noise)


[Edit Search](#) | [Save Search](#) | [Save as Search Alert](#)
[Search Within Results](#)
 = Full-text available  = Non-subscribed  What does this mean?


[Article List](#) [Full Abstracts](#)
[display checked docs](#) [e-mail articles](#) [export citations](#)


Sort By: [Date](#)  [Go](#)


 1. ☐ **A STUDY OF RADIAL VIBRATIONS OF A ROLLING TYRE FOR TYRE-ROAD NOISE CHARACTERISATION • ARTICLE**
Mechanical Systems and Signal Processing, Volume 16, Issue 6, November 2002, Pages 1043-1058
J. PÉRISSE
[Abstract](#) | [Abstract + References](#) | [PDF \(334 K\)](#)

 2. ☐ **ON THE HORN EFFECT OF A TYRE/ROAD INTERFACE, PART I: EXPERIMENT AND COMPUTATION • ARTICLE**
Journal of Sound and Vibration, Volume 256, Issue 3, 19 September 2002, Pages 417-431
R. A. G. GRAF, C. -Y. KUO, A. P. DOWLING and W. R. GRAHAM
[Abstract](#) | [Abstract + References](#) | [PDF \(643 K\)](#)

 3. ☐ **ON THE HORN EFFECT OF A TYRE/ROAD INTERFACE, PART II: ASYMPTOTIC THEORIES • ARTICLE**
Journal of Sound and Vibration, Volume 256, Issue 3, 19 September 2002, Pages 433-445
C. -Y. KUO, R. A. G. GRAF, A. P. DOWLING and W. R. GRAHAM
[Abstract](#) | [Abstract + References](#) | [PDF \(210 K\)](#)

 4. ☐ **A HIGH-FREQUENCY THREE-DIMENSIONAL TYRE MODEL BASED ON TWO COUPLED ELASTIC LAYERS • ARTICLE**
Journal of Sound and Vibration, Volume 253, Issue 4, 13 June 2002, Pages 889-908
K. LARSSON and W. KROPP
[Abstract](#) | [Abstract + References](#) | [PDF \(326 K\)](#)

 5. ☐ **The modelling of the dynamic behaviour of tyre tread blocks • ARTICLE**
Applied Acoustics, Volume 63, Issue 6, June 2002, Pages 659-677
Krister Larsson, Stéphane Barrelet and Wolfgang Kropp
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(382 K\)](#)

 6. ☐ **SOUND RADIATION FROM A VIBRATING RAILWAY WHEEL • ARTICLE**
Journal of Sound and Vibration, Volume 253, Issue 2, 30 May 2002, Pages 401-419
D. J. THOMPSON and C. J. C. Jones
[Abstract](#) | [Abstract + References](#) | [PDF \(438 K\)](#)

Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

SUPPORT

Results for "((tire<and>noise)<and>design) <and> (pyr >= 1951 <and> pyr <= 2002))"

Your search matched 1382 of 1484991 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

 e-mail  printer friendly

» Search Options

[View Session History](#)

[New Search](#)

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard


Modify Search

((tire<and>noise)<and>design) <and> (pyr >= 1951 <and> pyr <= 2002)

Search 

☐ Check to search only within this results set

Display Format: ☒ Citation ☐ Citation & Abstract

 **view selected items**

[Select All](#) [Deselect All](#)

View: 1-25 | [26-50](#) | [51-75](#) | [76-100](#)

- ☐ 1. **Statistical tools for the rapid development and evaluation of high-reliability products**
Meeker, W.Q.; Hamada, M.;
[Reliability, IEEE Transactions on](#)
Volume 44, Issue 2, June 1995 Page(s):187 - 198
Digital Object Identifier 10.1109/24.387370
[AbstractPlus](#) | Full Text: [PDF\(1096 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **A fuzzy logic controller for an ABS braking system**
Mauer, G.F.;
[Fuzzy Systems, IEEE Transactions on](#)
Volume 3, Issue 4, Nov. 1995 Page(s):381 - 388
Digital Object Identifier 10.1109/91.481947
[AbstractPlus](#) | Full Text: [PDF\(744 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 3. **Subject Index**
[Instrumentation and Measurement, IEEE Transactions on](#)
Volume 48, Issue 6, Dec. 1999 Page(s):10 - 30
Digital Object Identifier 10.1109/TIM.1999.816161
[AbstractPlus](#) | Full Text: [PDF\(344 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **Linear parameter varying controller for automated lane guidance: experimental study on tractor-trailers**
Pushkar Hingwe; Han-Shue Tan; Packard, A.K.; Tomizuka, M.;
[Control Systems Technology, IEEE Transactions on](#)
Volume 10, Issue 6, Nov. 2002 Page(s):793 - 806
Digital Object Identifier 10.1109/TCST.2002.804118
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(616 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 5. **Subject Index**
[Industry Applications, IEEE Transactions on](#)
Volume 34, Issue 6, Nov.-Dec. 1998 Page(s):43 - 123
Digital Object Identifier 10.1109/TIA.1998.739033
[AbstractPlus](#) | Full Text: [PDF\(888 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 6. **Monitoring tire-road friction using the wheel slip**
Gustafsson, F.;
[Control Systems Magazine, IEEE](#)
Volume 18, Issue 4, Aug. 1998 Page(s):42 - 49
Digital Object Identifier 10.1109/37.710877